



---

# ARDEX FH™

## Sanded Floor and Wall Grout

---

Use with porcelain, glass, quarry, ceramic  
and most natural stone tiles\*

For grout joints 1/16" to 3/4" (1.5 mm to 19 mm)

Very easy to apply and clean

Interior and exterior floor and wall applications

Available in 30 ARDEX colors;  
25 lb. bags and 10 lb. boxes



---

**SystemOne™**

ARDEX ENGINEERED CEMENTS  
400 Ardex Park Drive  
Aliquippa, PA 15001 USA  
Tel: 724-203-5000  
Toll Free: 888-512-7339  
Fax: 724-203-5001  
[www.ardexamericas.com](http://www.ardexamericas.com)

# ARDEX FH™

## Sanded Floor and Wall Grout

---

### Description and Usage

ARDEX FH™ Sanded Floor and Wall Grout is an ideal, everyday, Portland cement-based, polymer-modified grout suitable for most sizes of floor and wall tiles, including mosaics, with grout joints from 1/16" to 3/4" (1.5 mm to 19 mm). When mixed with water, ARDEX FH is a creamy, easily applied grout with good joint filling properties, enabling deep joints to be filled in one operation. When cured, ARDEX FH is weather resistant, unaffected by water and is suitable for internal and external use in dry or wet conditions.

### Preparation

The existing tile must be set firmly. The tile joints must be clean and free of all setting materials, dust, moisture and foreign matter. Clean the tile surface to remove contaminants that may discolor the grout.

Expansion joints must be provided over existing moving joints and cracks and where substrate materials change composition or direction per ANSI A108 AN-3.7.

Highly absorbent, textured or porous tiles may require sealing or treating with a grout release before grouting to prevent permanent staining.

### Recommended Tools

ARDEX mixing bucket, rubber float, ARDEX T-2 Ring Mixing Paddle, 1/2" (12 mm) heavy-duty drill (min. 650 rpm), ARDEX sponge (or similar) and a white Scotch-Brite® pad or similar.

### Mixing and Application

Mix each 25 lb. (11.34 kg) bag of ARDEX FH with 2 1/4 - 2 1/2 quarts (2.13 - 2.37 L) of clean water.

Mix each 10 lb. (4.54 kg) box of ARDEX FH with 28 - 32 oz. (0.83 - 0.95 L) of clean water.

To mix smaller quantities by hand, use 3 1/2 parts of powder to 1 part of clean water by volume.

Starting with the lowest amount of water specified above, pour the water in the mixing container first, and then add the ARDEX FH. Gradually add additional water as needed to achieve the desired consistency. Do not exceed the highest amount of water specified above. To obtain a stiffer grout consistency, use slightly less water.

**NOTE:** Less water may cause the material to set faster.

For best results when mixing full batches, mix with an ARDEX T-2 Ring Mixing Paddle and 1/2" heavy-duty drill. Mix at a low speed until a creamy, smooth, lump-free consistency is obtained. When mixing small batches, use a margin trowel, and mix vigorously for 2 to 3 minutes. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency.

Installation should proceed in accordance with ANSI A108.10. Using a high quality rubber float, work the grout into the joints until they are filled completely. ARDEX FH has a working time of approximately 2 hours at 70°F (21°C). Mix only as much as can be applied within this time.

As the work proceeds, remove all excess grout from the face of the tile using the rubber float, working at a 45° angle to the tile to avoid removing the grout from the joints.

Once the grout has taken a firm set in the joints (**approximately 15 min. - 2 hours, 70°F / 21°C**), the joints can be formed, and the residual grout on the face of the tile can be removed easily by using a lightly dampened ARDEX sponge. **Do not use excessive water.**

Any dry film (haze) remaining on the tile surface can be removed easily by finishing or polishing with a dry or slightly damp terrycloth towel or ARDEX sponge after the grout has hardened completely in the joints.

In extremely warm conditions, if the residual grout has hardened on the face of the tile faster than normal, the residual grout can be re-emulsified using a white Scotch-Brite® pad. Apply gentle pressure to the pad, and work in a circular motion to loosen the grout. Carefully remove the slurry with a barely damp ARDEX sponge, rinsing the sponge with clean water after each pass.

While not required, a penetrating grout sealer can be applied. Follow sealer manufacturer's recommendations for substrate preparation, application and cure.

# SystemOne™



## Notes

FOR PROFESSIONAL USE ONLY.

At 70°F (21°C), the working time of ARDEX FH is roughly 2 hours, and the pot life is approximately 2 hours. Jobsite conditions and temperature may affect working time and pot life.

Please be advised that although this product will resist staining and clean more easily than virtually all other cement-based grouts, this material is not stain-proof and should be cleaned and maintained regularly to keep the installation looking its best.

ARDEX FH is intended for installation at material and surface temperatures between 50° and 85°F (10° to 29°C). Do not install below 50°F (10°C) surface and air temperatures. For warm weather installation instructions, please contact the ARDEX Technical Service Department.

For high chemical resistance and specialized applications, please refer to the ARDEX WA™ Epoxy Grout and Adhesive technical brochure.

\*ARDEX FH is not suitable for use with moisture-sensitive stone.

\*\*For installations in heavy traffic areas and areas with high point loads, please use ARDEX FL™ or ARDEX WA in accordance with our recommendations.

For submerged applications, use ARDEX FL™ Rapid Set, Flexible, Sanded Grout or ARDEX WA Epoxy Grout and Adhesive in accordance with our written recommendations.

Some types of tiles may be prone to scratching and surface discoloration when using grout. As always, ARDEX recommends the installation of test areas to confirm the suitability of the product for the intended use.

Never mix with cement or additives. Observe the basic rules of tile work.

Dispose of packaging and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

## Precautions

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Material Safety Data Sheet (MSDS) available at [www.ardexamericas.com](http://www.ardexamericas.com).

## Technical Data According to ARDEX Quality Standards

All data based on a mixing ratio of 3 1/2 parts powder to 1 part water by volume at 70°F (21°C). Physical properties are typical values and not specifications.

**Mixing Ratio:** 2 1/4 - 2 1/2 quarts (2.13 - 2.37 L) of water to one 25 lb. (11.34 kg) bag.  
28 - 32 oz. (0.83 - 0.95 L) of water to one 10 lb. (4.54 kg) box.  
For smaller batches, use 3 1/2 parts powder to 1 part water by volume.

**Pot Life:** Approx. 2 hours

**Working Time:** Approx. 2 hours

**Open to Traffic:** 16-24 hours

**Brinell Hardness:  
(7 Days)** 6500 psi  
457 kg/cm<sup>2</sup>  
44.9 MPa

**VOC:** 0

**Packaging:** 25 lb. (11.3 kg) net weight bag  
10 lb. (4.5 kg) net weight box

**Storage:** Store in a cool dry area. Do not leave package exposed to sun.

**Shelf Life:** 1 year, if unopened.

**Warranty:** ARDEX Engineered Cements Standard Limited Warranty applies. Also eligible for the ARDEX SystemOne™ Warranty when used in conjunction with select ARDEX tile and stone installation products.

## Colors Available

Also refer to the ARDEX Grout Color Chart, available at your local ARDEX distributor.

Polar White 01  
 Fresh Lily 02  
 Sugar Cookie 03  
 Antique Ivory 04  
 Winter White 05  
 Classic Vanilla 06  
 Floating Driftwood 07  
 Vintage Linen 08  
 Natural Almond 09  
 Irish Crème 10  
 Barley 11  
 Wild Mushroom 12  
 Stone Beach 13  
 Chocolate Mousse 14  
 Gray Dusk 15  
 Ground Cocoa 16  
 Coffee Bean 17  
 Dove Gray 18  
 Silver Shimmer 19  
 Ocean Gray 20  
 Slate Gray 21  
 Cast Iron 22  
 Charcoal Dust 23  
 Black Licorice 24  
 Stormy Mist 25  
 Organic Earth 26  
 Gentle Blush 28  
 Pink Champagne 30  
 Baked Terra Cotta 32  
 Brilliant White 35

## Color Variance

Actual grout color may vary when dry, depending on installation conditions, substrate, type of tile installed and other factors.

To minimize the possibility of color variance between bags of the same color used on the same installation, mix all grout using the same amount of water.

Made in the USA by ARDEX Engineered Cements, Aliquippa, PA 15001

© 2014 ARDEX Engineered Cements, L.P. All rights reserved.  
 Updated 07-02-2014. Supersedes all previous versions.  
 Check [www.ardexamericas.com](http://www.ardexamericas.com) for updates.

ARDEX FH™ Coverage in Sq. Ft. Coverage Chart				
Grout Joint Size - Inches				
Tile Size	1/16" 0.0625	1/8" 0.125	3/16" 0.188	1/4" 0.25
1" x 1" x 1/4"	99.1	51.2	35.2	27.4
2" x 2" x 1/4"	195.0	99.1	67.0	51.2
2" x 2" x 3/8"	130.0	66.1	44.7	34.1
4-1/4" x 4-1/4" x 5/16"	328.3	165.4	110.8	83.9
4" x 8" x 1/2"	257.3	129.3	86.5	65.4
6" x 6" x 1/2"	289.5	145.5	97.3	73.5
8" x 8" x 3/8"	514.0	258.0	172.2	130.0
12" x 12" x 3/8"	770.0	386.0	257.3	194.0
13" x 13" x 3/8"	834.0	418.0	278.6	210.0
16" x 16" x 3/8"	1026.0	514.0	342.4	258.0
18" x 18" x 3/8"	1154.0	578.0	385.0	290.0
24" x 24" x 3/8"	1538.0	770.0	512.6	386.0

ARDEX FH™ Coverage in Sq. M Coverage Chart				
Grout Joint Size - (mm)				
Tile Size (mm)	1.5	3.0	4.5	6.0
25 x 25 x 6	9.7	5.0	3.5	2.7
51 x 51 x 6	19.2	9.7	6.6	5.0
51 x 51 x 10	12.8	6.5	4.4	3.3
108 x 108 x 8	32.3	16.2	10.9	8.2
102 x 203 x 13	25.3	12.7	8.5	6.4
152 x 152 x 13	28.5	14.3	9.6	7.2
203 x 203 x 10	50.5	25.4	17.0	12.8
305 x 305 x 10	75.7	37.9	25.4	19.1
330 x 330 x 10	82.0	41.1	27.5	20.6
406 x 406 x 10	100.9	50.5	33.7	25.4
457 x 457 x 10	113.5	56.8	37.9	28.5
610 x 610 x 10	151.2	75.7	50.5	37.9

Coverage based on a 25 lb. (11.3 kg) bag. Actual coverage may vary based on jobsite conditions, tile textures and installation methods.

AT-407

For easy-to-use ARDEX Product Calculators and Product Information On the Go, download the ARDEX App at the iTunes Store or Google Play.



**ARDEX ENGINEERED CEMENTS**  
 400 Ardex Park Drive  
 Aliquippa, PA 15001 USA  
 Tel: 724-203-5000  
 Toll Free: 888-512-7339  
 Fax: 724-203-5001  
[www.ardexamericas.com](http://www.ardexamericas.com)